

Date: January 22, 2021

To: Board of Health Members

From: Kevin Hughes

Re: Board of Health Meeting – Friday, January 29

MDHHS released an updated Gatherings and Face Mask order, effective now and until February 21, that continues to make it necessary to use the phone/online meeting platform for next Friday's Board of Health meeting. It is again recommended that the number of persons attending in person be limited to the Executive Committee members and everyone else attend remotely.

To call or log in to the meeting, here are the Microsoft Teams numbers and link:

- Teleconference: **+1 616-426-9797**
- Conference ID: 521 292 102#
- Video Conference: [Join Microsoft Teams Meeting](#)

If you do not receive your meeting materials in electronic form, contact Jane Drake at jdrake@dhd10.org and she will send you the link. If you will not be able to attend the meeting, please be sure to let Jane know. Her direct office number is 231-355-7533.

If you have questions about agency operations, please let me know in advance so I can be sure to have answers for you. You can contact me with any questions at khughes@dhd10.org or (231) 876-3839.

Thanks, and I'll see you next Friday, on the 29th.



HEALTH OFFICER
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Cadillac, MI 49601



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www.dhd10.org



DHD10



BOARD OF HEALTH

Monthly Meeting: January 29, 2021 10:00 a.m.

Executive Committee will meet in the Board Room - 521 Cobb Street, Cadillac

Other Members: Teleconference - +1 616-426-9797, Conference ID 521 292 102#; or Videoconference - [Join Microsoft Teams Meeting](#)

A G E N D A

- I. Call to Order Jim Maike, Chair
- II. Roll Call
- III. Welcome New Members
- IV. Review and Approval of the Agenda
- V. Review and Approval of Board of Health Meeting Minutes December 18, 2020
- VI. Public Comment
- VII. Committee Reports
 - A. Executive Committee.....Jim Maike
 - B. Finance Committee.....Ray Steinke
 - 1. *Accounts Payable and Payroll*..... *Action Item*
 - C. Personnel Committee..... Hubert Zuiderveen
 - D. Legislative Committee..... Shelley Pinkelman
- VIII. Administrative Reports
 - A. Medical DirectorDr. Jennifer Morse, MD
 - 2. *Healthy Living Recommendations*..... *Approve*
 - B. Deputy Health OfficerSarah Oleniczak
 - C. Health OfficerKevin Hughes
- IX. Other Business
- X. Next Board of Health Meeting: February 26, 10:00 a.m.
- XI. Adjournment

Please notify Jane Drake, at 231-355-7533 or jdrake@dhd10.org, if you are unable to attend the meeting in order to be excused. Please request the alternate to attend if you cannot.



BOARD OF HEALTH

Meeting Minutes

December 18, 2020

Call to Order: Jim Maike, Chair, called the meeting to order at 10:00 a.m.

I. Roll Call

Members Present – In Person: Ron Bacon, Charles Lange, Jim Maike, Tom O'Neil, Richard Schmidt, Ray Steinke, Hubert Zuiderveen

Members Present – Via Teleconference: Patty Cox, Betty Dermeyer, Pauline Jaquish, Bryan Kolk, Martha Meyette, Judy Nichols, Roger Ouwinga, Shelley Pinkelman, Denny Powers, Gary Taylor

Members Excused: James Sweet

Members Absent: Phil Lewis, Dawn Martin

Staff – In-Person: Kevin Hughes

Staff – Online: Jane Drake, Christine Lopez, Dr. Jennifer Morse, Sarah Oleniczak

II. Approval of the Agenda. Motion by Ray Steinke, seconded by Hubert Zuiderveen, to approve the meeting agenda with the following additions: Executive Committee – November 22, 2019 Closed Session minutes; 2021 Board Organization. *Motion carried.*

III. Approval of the Meeting Minutes. Motion by Charles Lange, seconded by Ray Steinke, to approve minutes of the November 20, 2020, meeting. *Motion carried.*

IV. Public Comment: None

V. Committee Reports

A. Executive Committee. Committee met December 11, 2020. Chair Jim Maike requested Board acknowledgement and appreciation for the service provided by outgoing members Patty Cox, Charles Lange and Denny Powers.

Maike said Kevin Hughes, Health Officer, opted not to have a closed session to review his performance plan. A copy of the minutes of the last closed session of the Board held during the November 22, 2019, meeting, was distributed to members attending in-person. Maike provided a brief summary and said the Executive Committee reviewed the minutes and requested approval.

1. Approve Closed Session Meeting Minutes. Motion by Richard Schmidt, seconded by Ray Steinke, to approve the minutes of the November 22, 2019, closed session. *Motion carried.*

Maike next reported the Executive Committee reviewed the feedback received from Board members, and the results achieved on Kevin Hughes' 2020 performance plan at the December 11 meeting. A draft of the recommended performance review form was included with the meeting materials. The review was "very positive," Maike said, and the Executive Committee requested full Board approval.

2. Approve Health Officer 2020 Performance Review. Motion by Ray Steinke, seconded by Hubert Zuiderveen, to approve performance review as recommended by the Executive Committee. *Motion carried.*

Maike said per the Health Officer Employment Agreement, the Board could approve a salary adjustment. He said the Executive Committee recommended Hughes receive a 2% adjustment as was done for the agency employees. The new salary would be effective January 2021.

3. Approve Health Officer 2021 Salary. Motion by Richard Schmidt, seconded by Ray Steinke, to approve a salary adjustment for the Health Officer to bring the annual salary to \$103,483.

Roll Call Vote

Ron Bacon	Yes	Jim Maike	Yes	Denny Powers	Yes
Patty Cox	Yes	Martha Meyette	Yes	Richard Schmidt	Yes
Betty Dermeyer	Yes	Judy Nichols	Yes	Ray Steinke	Yes
Pauline Jaquish	Yes	Tom O'Neil	Yes	Gary Taylor	Yes
Bryan Kolk	Yes	Roger Ouwinga	Yes	Hubert Zuiderveen	Yes
Charles Lange	Yes	Shelly Pinkelman	Yes		

Motion carried.

Maike next explained the Executive Committee discussed the difficulty of conducting the scheduled Board organization meeting in January without the Board members being able caucus in person. He said the Executive Committee recommended the current Board officers and committee assignments remain until such time as the full Board could meet in person. Hughes explained a two-thirds vote is required to permit altering or suspending the Bylaws.

4. *Approve Continuation of Appointments to Board Offices and Committees.* Motion by Ray Steinke, seconded by Richard Schmidt, to suspend the Board Bylaws with respect to Board organization, and delay officer nominations and committee assignment changes until such time as the full Board can meet in person.

Roll Call Vote

Ron Bacon	Yes	Jim Maike	Yes	Denny Powers	Yes
Patty Cox	Yes	Martha Meyette	Yes	Richard Schmidt	Yes
Betty Dermeyer	Yes	Judy Nichols	Yes	Ray Steinke	Yes
Pauline Jaquish	Yes	Tom O'Neil	Yes	Gary Taylor	Yes
Bryan Kolk	Yes	Roger Ouwinga	Yes	Hubert Zuiderveen	Yes
Charles Lange	Yes	Shelly Pinkelman	Yes		

Motion carried.

Hughes said there had been a question at the October 2020 meeting when the revised Board Rules were approved. He said the rules allow for members to participate in meetings using teleconferencing for up to four times per year. He said with the current public health rules limiting in-person meetings, most members could exceed the limit for in the coming year. Following discussion, it was determined that the teleconferencing limit was only effective as of the date of approval, so no members would be in immediate violation.

5. *Approve Suspending Board Rule to Allow Members to Participate in Meetings via Teleconferencing.* Motion by Ray Steinke, seconded by Hubert Zuiderveen, to suspend the Board Rule to limit participation in Board meetings via teleconferencing to no more than four times per year. Motion Carried.

Maike suggested the Board revisit the suspension in six months to decide if it should be continued.

- B. Finance Committee. Did not meet. Christine Lopez, Administrative Services Director, explained the October report was included with the meeting materials and the November and December reports would be reviewed at the January meeting. The balance sheet for October showed a total fund balance of \$11.6 million. Total revenues for the month were just over \$1.7 million, with expenses at \$1.5 million. The October accounts payable and payroll were approved at the November meeting. Lopez reviewed the combined accounts payable and payroll for November and December and requested approval.
6. *Approve Accounts Payable and Payroll.* Motion by Richard Schmidt, seconded by Ray Steinke, to approve the November and December accounts payable and payroll total of \$703,432.63.

Roll Call Vote

Ron Bacon		Jim Maike	Yes	Denny Powers	Yes
Patty Cox	Yes	Martha Meyette	Yes	Richard Schmidt	Yes
Betty Dermeyer	Yes	Judy Nichols	Yes	Ray Steinke	Yes
Pauline Jaquish	Yes	Tom O'Neil	Yes	Gary Taylor	Yes
Bryan Kolik	Yes	Roger Ouwinga	Yes	Hubert Zuiderveen	Yes
Charles Lange	Yes	Shelly Pinkelman	Yes		

Motion carried.

- C. Personnel Committee: Kevin Hughes reminded the members proposed changes to the Employee Handbook were included with the November meeting materials for review. He requested the Board approve the minutes and authorize the Board Chair to sign the document certifying Board approval of the continuation of the agency personnel policies.

7. *Approve Employee Handbook Changes and Continuation of Personnel Policies.* Motion by Hubert Zuiderveen, seconded by Ray Steinke to approve the Employee Handbook changes and authorize continuation of the personnel policies. Motion carried.

Next, Hughes noted the list of employees who received recognition for achieving longevity milestones. He said those staff were acknowledged during a virtual staff meeting in December.

Hughes said he had discussions with the Social Security Replacement Plan administrator, Empower Retirement, about adjusting the plan from a fiscal to a calendar year plan. He explained the purpose and intent and requested Board approval.

8. *Approve Move to Calendar Year for SSRP Plan Administration.* Motion by Ray Steinke, seconded by Charles Lange to change the plan year from a fiscal- to a calendar year basis. Motion carried.

- D. Legislative Committee: Kevin Hughes said the plan to invite legislators to a Board meeting would be pushed back until spring of 2021 or until it is possible to have a face-to-face meeting. He also summarized pending State House legislation that could impact the authority and flexibility of State and local public health in responding to emergencies and instituting and modifying rules.

VI. Administrative Reports

- A. Medical Director. Dr. Jennifer Morse shared statistics from a study on the projected impact of distribution of COVID vaccines. She said it was a hopeful report in that the modeling showed hospitalizations due to the disease would be reduced by 85% and deaths by 88% if 40% of the population is vaccinated.

She stressed until higher levels of vaccination are achieved, it is still important to follow all of the guidelines to prevent further community spread of COVID-19.

9. *Approve Healthy Living Recommendations.* Motion by Ray Steinke, seconded by Hubert Zuiderveen to approve recommendations to (1) Encourage vaccination against COVID-19; and (2) Continue following COVID-19 prevention measures. Motion carried.

- B. Deputy Health Officer. Sarah Oleniczak highlighted a program to distribute rapid antigen test kits to Adult Foster Care homes, schools, first responder agencies, and other community partners. Emails and letters were sent to over 100 homes and all county emergency services managers. Hughes asked members to follow up with their county emergency services managers to encourage their cooperation in supporting distribution of the kits.

Oleniczak also reported drive through flu vaccination clinics were organized by Adolescent Health Care staff through a grant initiative. The clinics were held in six communities during November, resulting in 640 people receiving flu shots. She said schools have also been working with DHD#10 to schedule in-house clinics for teachers, staff and families.

- C. Health Officer. Kevin Hughes explained as discussed at the November meeting, unexpended grant funds were available and could be used for the purchase of a mobile clinic unit. He said requests for proposals

were sent out, and three bids that met the specifications were considered. The cost of the unit would be covered by the available funds, and Tencon funding would be used for ongoing service and maintenance costs. Jim Maike said the Executive Committee reviewed the bids, and recommended approval of the purchase recommended by staff.

10. *Approve Purchase of Mobile Clinic Unit Vehicle.* Motion by Ray Steinke, seconded by Tom O'Neil to approve bid and purchase of vehicle at cost not to exceed \$200,000.00.

Roll Call Vote

Ron Bacon		Jim Maike	Yes	Denny Powers	Yes
Patty Cox	Yes	Martha Meyette	Yes	Richard Schmidt	Yes
Betty Dermeyer	Yes	Judy Nichols	Yes	Ray Steinke	Yes
Pauline Jaquish	Yes	Tom O'Neil	Yes	Gary Taylor	Yes
Bryan Kolk	Yes	Roger Ouwinga	Yes	Hubert Zuiderveen	Yes
Charles Lange	Yes	Shelly Pinkelman	Yes		

Motion carried.

A pilot program in Lake, Mason and Wexford counties to “take back” used syringes and ensure safe disposal began operating in mid-November, Hughes reported. He said the program has been successful and will be expanded to Mecosta and Crawford counties in February.

Hughes provided an update on COVID vaccine availability and plans to administer the vaccine to the priority groups established by the state. He noted vaccines clinics were scheduled in DHD#10 offices through January and prospects and plans for larger mass vaccination clinics are being actively explored.

Hughes said he and two members of the Environmental Health division were called to testify in an administrative hearing on alleged violations of the public health code by a restaurant located in Newaygo.

VII. Other Business

Jim Maike voiced appreciation for the outgoing members Patty Cox, Charles Lange and Denny Powers. Each expressed gratitude for the opportunity to serve on the Board of Health and offered well wishes.

Maike noted with the departure of Charles Lange the Board officer position of Secretary would need to be filled. He recommended the appointment of Judy Nichols as Secretary.

11. *Approve Board Secretary Appointment.* Motion by Charles Lange, seconded by Hubert Zuiderveen, to appoint Judy Nichols as Secretary. Motion carried.

VIII. Next Meeting

The next regular meeting of the Board of Health is scheduled for Friday, January 29, at 10:00 a.m.

IX. Adjournment

Jim Maike adjourned the meeting at 11:20 a.m.

 Jim Maike, Chair

 Date

 Charles Lange, Secretary

 Date

District Health Department #10Balance Sheet
December 31, 2020Prepared by:
Christine Lopez, MBA
Administrative Services Director**ASSETS**

Current Assets

Cash	8,542,164.44
Due from State	1,809,271.01
Due From Others	<u>1,065,878.36</u>
Total Current Assets	11,417,313.81

Other Assets

Inventory	273,153.00
Prepaid Expense	<u>66,729.76</u>
Total Other Assets	<u>339,882.76</u>

Total ASSETS	<u>11,757,196.57</u>
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LIABILITIES

Current Liabilities

Accounts Payable	730,564.97
Payroll Taxes/Deductions Due	230,024.83
Accrued Wages	<u>250,904.49</u>
Total Current Liabilities	1,211,494.29

Other Liabilities

Deferred Revenue	<u>2,957,846.02</u>
Total LIABILITIES	4,169,340.31

FUND BALANCE

Fund Balance, Preliminary	7,366,273.80
Increase in Fund Balance	<u>221,582.46</u>
Total FUND BALANCE	<u>7,587,856.26</u>

LIABILITIES AND FUND BALANCE	<u>11,757,196.57</u>
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District Health Department #10
Statement of Revenues and Expenditures
From 12/01/2020 Through 12/31/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
Revenues					
State & Federal Funding					
Adolescent Health Center - Lake City Clinical	2,837.58	7,655.47	135,000	(94.33)%	(127,344.53)
Adolescent Health Center - Mason County	427.69	3,534.84	135,000	(97.38)%	(131,465.16)
Beach Monitoring	-	-	11,500	(100.00)%	(11,500.00)
Breast Cervical Cancer Control Program	29,420.94	38,060.85	74,800	(49.12)%	(36,739.15)
Brethren High School Mental Health Grant	7,926.87	21,974.30	100,000	(78.03)%	(78,025.70)
Childrens Special Health Care Services	20,489.30	60,457.16	267,878	(77.43)%	(207,420.84)
Chippewa Hills School Mental Health Grant	9,744.66	23,211.08	100,000	(76.79)%	(76,788.92)
CJS Alliance	487.12	4,975.80	23,466	(78.80)%	(18,490.20)
Communicable Disease	16,945.94	44,950.36	424,689	(89.42)%	(379,738.64)
Community Health	-	-	10,000	(100.00)%	(10,000.00)
CRF Immunizations COVID Response CRFIMM	2,991.73	85,713.00	-	0.00%	85,713.00
CRF LHD Contact Tracing CRFLCT	-	180,556.00	-	0.00%	180,556.00
CRF LHD Testing CRFLT	148,112.57	150,007.00	-	0.00%	150,007.00
Cross Jurisdictional Sharing Admin	-	144.72	44,530	(99.68)%	(44,385.28)
CSHCS Care Coordination Case Mgmt	3,535.01	9,316.00	115,000	(91.90)%	(105,684.00)
Dental Partnering for Heart Health	12,901.00	30,375.00	138,000	(77.99)%	(107,625.00)
Dental Sealants	544.80	3,922.52	30,000	(86.92)%	(26,077.48)
Drinking Water	45,966.49	148,569.70	448,757	(66.89)%	(300,187.30)
Drug Free Communities Support Program	-	-	125,000	(100.00)%	(125,000.00)
ELC COVID Contact Tracing Testing Coordination	276,481.84	276,737.14	850,556	(67.46)%	(573,818.86)
ELC COVID Infection Prevention - CELC	3,265.06	90,000.00	90,000	0.00%	-
Emergency Preparedness	13,044.73	41,235.92	161,808	(74.52)%	(120,572.08)
Family Planning	63,675.76	212,993.78	382,235	(44.28)%	(169,241.22)
Food Service	58,423.13	197,406.25	370,791	(46.76)%	(173,384.75)
General EH - Campgrounds	-	-	5,950	(100.00)%	(5,950.00)
General EH - DHHS Inspection	745.00	7,250.00	55,900	(87.03)%	(48,650.00)
General EH - Pools & Spas	-	-	5,400	(100.00)%	(5,400.00)
Grayling School Mental Health	(3,706.21)	-	-	0.00%	-
Grayling Water Recovery	409.41	5,372.11	-	0.00%	5,372.11
Harm Reduction	2,741.56	10,620.65	50,000	(78.76)%	(39,379.35)
Harm Reduction Support	39,675.84	41,291.17	60,000	(31.18)%	(18,708.83)
Hart High School Mental Health Grant	6,824.49	20,575.47	100,000	(79.42)%	(79,424.53)
Hearing	5,577.49	24,294.82	70,808	(65.69)%	(46,513.18)
HIV Prevention	1,082.80	1,679.39	45,000	(96.27)%	(43,320.61)
Imms VFC/INE	-	-	17,800	(100.00)%	(17,800.00)
Immunizations	(22,766.14)	30,499.27	257,484	(88.15)%	(226,984.73)
Immunizations IAP	5,388.20	24,034.77	108,280	(77.80)%	(84,245.23)
Immunizations Vaccine Quality Assurance	6,540.14	22,288.41	54,660	(59.22)%	(32,371.59)
Lead Home Visiting	-	-	1,000	(100.00)%	(1,000.00)
MCH Women	2,055.65	10,228.34	78,000	(86.89)%	(67,771.66)
MCIR	12,075.95	33,471.23	175,000	(80.87)%	(141,528.77)
Medicaid Outreach	68,412.78	173,006.11	537,583	(67.82)%	(364,576.89)
MI Home Visiting IRE (HFA)	38,308.48	119,831.14	501,799	(76.12)%	(381,967.86)
Non Community Water	15,041.00	45,123.00	180,492	(75.00)%	(135,369.00)
On-Site Sewage - Septic Systems	51,407.86	110,695.51	387,374	(71.42)%	(276,678.49)
Prosperity Grant/CLPP	1,431.99	6,902.06	40,000	(82.74)%	(33,097.94)
Rural Health Network - CHIR	4,408.00	18,650.00	90,000	(79.28)%	(71,350.00)
STI Clinics	8,938.55	21,148.60	45,000	(53.00)%	(23,851.40)
Tobacco Grant	2,098.01	5,846.01	40,000	(85.38)%	(34,153.99)
Vision	7,144.61	27,879.16	70,808	(60.63)%	(42,928.84)
WIC Migrant	10,629.90	34,389.10	98,000	(64.91)%	(63,610.90)
WIC Peer Counselor	22,112.54	68,862.39	270,881	(74.58)%	(202,018.61)
WIC Resident	129,232.74	408,327.17	1,570,745	(74.00)%	(1,162,417.83)
Wisewoman Coordination	3,983.03	16,957.51	67,350	(74.82)%	(50,392.49)
Zika Virus Mosquito Surveillance	-	-	18,000	(100.00)%	(18,000.00)
Total State & Federal Funding	1,137,015.89	2,921,020.28	9,042,324	(67.70)%	(6,121,303.72)

District Health Department #10
Statement of Revenues and Expenditures
From 12/01/2020 Through 12/31/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
Other Funding					
Administrative Leave	16,771.69	31,096.45	-	0.00%	31,096.45
Adolescent Health Center - Crawford	4,805.00	23,041.00	135,000	(82.93)%	(111,959.00)
Adolescent Health Center - Wexford	5,175.00	30,876.00	195,000	(84.17)%	(164,124.00)
Adolescent Health Center Oceana	6,750.00	36,777.00	195,000	(81.14)%	(158,223.00)
Agnes Taylor Fund	-	-	2,321	(100.00)%	(2,321.00)
Beach Monitoring - Other	-	3,000.00	-	0.00%	3,000.00
Building Lease Cadillac	8,600.00	25,800.00	103,200	(75.00)%	(77,400.00)
Building Lease Hart	5,300.00	15,900.00	63,600	(75.00)%	(47,700.00)
CATCH Grant	736.69	3,217.10	15,000	(78.55)%	(11,782.90)
CCL HUB	9,504.00	50,000.00	-	0.00%	50,000.00
CD Billing Counties	286.98	286.98	2,500	(88.52)%	(2,213.02)
Census Grant	2,125.19	2,125.19	-	0.00%	2,125.19
CHA Needs Assessment	-	-	30,000	(100.00)%	(30,000.00)
CHIR - Communications	3,147.00	5,000.00	-	0.00%	5,000.00
CHIR BBO EVEN	620.00	2,500.00	-	0.00%	2,500.00
Communicable Disease	-	-	210	(100.00)%	(210.00)
Community Health	4,000.00	6,000.00	-	0.00%	6,000.00
CSHCS Thornton Fund Kalkaska	-	-	6,498	(100.00)%	(6,498.00)
Dental Outreach	-	752.33	30,000	(97.49)%	(29,247.67)
Early On Oceana	42.00	42.00	250	(83.20)%	(208.00)
Finance	-	-	129,870	(100.00)%	(129,870.00)
Gambling Disorder Prevention Project Grant	2,628.00	6,478.00	23,000	(71.83)%	(16,522.00)
Grayling School Mental Health	2,723.87	8,509.07	30,000	(71.64)%	(21,490.93)
Healthy Families America - Manistee/Missaukee	13,404.00	40,806.00	151,681	(73.10)%	(110,875.00)
Immunizations	75.00	225.00	305,500	(99.93)%	(305,275.00)
LiveWell for your Heart	2,061.29	5,265.66	100,000	(94.73)%	(94,734.34)
MCDC	15,210.00	59,855.67	800,000	(92.52)%	(740,144.33)
Medical Marihuana Operations and Oversight	-	-	12,032	(100.00)%	(12,032.14)
PFS Mason	4,910.00	8,898.00	-	0.00%	8,898.00
PFS Oceana	2,250.00	4,218.00	-	0.00%	4,218.00
Prevention	8,793.00	32,711.00	112,518	(70.93)%	(79,807.00)
Prevention Grant Missaukee	1,081.00	4,934.00	20,854	(76.34)%	(15,920.00)
Prevention Grant Wexford	2,274.00	10,545.00	43,472	(75.74)%	(32,927.00)
Rotary Charities	3,945.00	11,663.00	25,000	(53.35)%	(13,337.00)
Rx for Health	2,541.84	8,361.99	140,000	(94.03)%	(131,638.01)
School Wellness Center	6,593.00	33,762.00	150,000	(77.49)%	(116,238.00)
SH Coalition Support Missaukee	-	-	8,223	(100.00)%	(8,223.00)
SH Coalition Support Wexford	623.00	623.00	18,267	(96.59)%	(17,644.00)
Snap Ed Full-Year	1,452.68	8,956.33	92,710	(90.34)%	(83,753.67)
State Opioid Response (SOR) Lake	400.00	1,623.00	10,000	(83.77)%	(8,377.00)
State Opioid Response (SOR) Mason	892.00	4,035.00	20,000	(79.83)%	(15,965.00)
State Opioid Response (SOR) Oceana	780.00	4,102.00	15,000	(72.65)%	(10,898.00)
WIC Resident	-	200.00	200	0.00%	-
Total Other Funding	140,501.23	492,185.77	2,986,906	(83.52)%	(2,494,720.37)
Billing Revenue					
Adolescent Health Center - Crawford	2,159.16	9,735.94	35,754	(72.77)%	(26,018.06)
Adolescent Health Center - Lake City Clinical	-	-	28,474	(100.00)%	(28,474.00)
Adolescent Health Center - Mason County	-	-	28,474	(100.00)%	(28,474.00)
Adolescent Health Center - Wexford	16,088.41	28,569.25	51,555	(44.58)%	(22,985.75)
Adolescent Health Center Oceana	9,561.91	31,008.02	57,463	(46.04)%	(26,454.98)
BCCCP Direct	593.15	153.29	21,658	(99.29)%	(21,504.71)
Breast Cervical Cancer Control Program	1,190.00	4,477.00	9,000	(50.26)%	(4,523.00)
Brethren High School Mental Health Grant	810.00	6,249.82	3,055	104.58%	3,194.82
CCL HUB	18,137.00	44,730.00	300,000	(85.09)%	(255,270.00)
Chippewa Hills School Mental Health Grant	1,772.32	8,158.64	5,238	55.76%	2,920.64
Communicable Disease	75.15	(2,149.53)	10,000	(121.50)%	(12,149.53)
Community Health	-	-	2,019	(100.00)%	(2,019.00)

District Health Department #10
Statement of Revenues and Expenditures
From 12/01/2020 Through 12/31/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
Dental Sealants	-	-	6,000	(100.00)%	(6,000.00)
Dental Varnish	-	49.00	85,826	(99.94)%	(85,777.00)
Family Planning	21,598.99	47,544.87	91,110	(47.82)%	(43,565.13)
Hart High School Mental Health Grant	2,040.00	9,060.20	3,408	165.85%	5,652.20
Hearing	33.60	3,481.60	3,500	(0.53)%	(18.40)
Immunizations	62,389.61	263,141.30	617,531	(57.39)%	(354,389.70)
Lead Hemoglobin	61.29	634.42	23,328	(97.28)%	(22,693.58)
Maternal Infant Health Program	43,327.30	139,123.46	652,827	(78.69)%	(513,703.54)
MCH Women	-	318.30	-	0.00%	318.30
School Wellness Center	3,893.61	16,143.66	47,132	(65.75)%	(30,988.34)
STI Clinics	399.31	566.85	8,723	(93.50)%	(8,156.15)
Vision	57.20	3,370.80	3,500	(3.69)%	(129.20)
Wisewoman Coordination	(400.00)	(485.00)	22,250	(102.18)%	(22,735.00)
Total Billing Revenue	183,788.01	613,881.89	2,117,825	(71.01)%	(1,503,943.11)
Medicaid Cost Settlement					
Medicaid Cost Report	-	-	1,800,000	(100.00)%	(1,800,000.00)
Total Medicaid Cost Settlement	-	-	1,800,000	(100.00)%	(1,800,000.00)
Environmental Health Revenue	62,363.54	249,953.54	1,374,040	(81.81)%	(1,124,086.46)
Appropriations	247,873.36	743,620.08	2,974,480	(75.00)%	(2,230,859.92)
Other Revenue					
MMRMA Distribution	-	39,642.00	51,343	(22.79)%	(11,701.00)
Workers Compensation Dividends	-	23,564.00	13,347	76.55%	10,217.00
Other	6,568.49	38,580.21	153,500	(74.87)%	(114,919.79)
Total Other Revenue	6,568.49	101,786.21	218,190	(53.35)%	(116,403.79)
Total Revenues	1,778,110.52	5,122,447.77	20,513,765	(75.03)%	(15,391,317.37)
Expenses					
Wages	866,039.68	2,490,678.16	10,012,116	75.12%	7,521,437.85
Fringes	410,648.81	1,168,536.87	5,109,646	77.13%	3,941,109.21
Travel	17,482.99	74,004.43	521,413	85.81%	447,408.57
Supplies	52,824.41	230,236.79	1,288,749	82.13%	1,058,512.21
Contractual	48,092.66	61,222.60	547,198	88.81%	485,975.40
Communications	16,067.51	65,237.74	391,976	83.36%	326,738.26
Printing/Publishing	15,156.62	28,357.75	58,277	51.34%	29,919.25
Education/Training	2,162.80	6,316.21	45,625	86.16%	39,308.79
Liability Insurance	8,897.17	25,753.47	90,491	71.54%	64,737.53
Maintenance	25,894.09	92,597.02	399,792	76.84%	307,194.98
Space	107,601.96	326,555.88	1,272,423	74.34%	945,867.12
Capital Outlay	195,418.14	229,812.72	173,953	(32.11)%	(55,859.72)
County DSH/Dental	29,110.00	101,555.67	966,800	89.50%	865,244.41
Total Expenses	1,795,396.84	4,900,865.31	20,878,459	76.53%	15,977,593.86
Increase (Decrease) Fund Balance	(17,286.32)	221,582.46	(364,694)		

District Health Department #10
Aged Receivable Report 12/01/2020 - 12/31/2020

	Balance	Current	31-60 Days	61-90 Days	91+ Days
Due From Billing					
Due From Adolescent Health Cadillac Billing	30,460.31	29,672.63	-	-	787.68
Due From Adolescent Health Grayling Billing	9,677.00	9,677.00	-	-	-
Due From Adolescent Health Shelby Billing	34,127.10	32,326.10	-	-	1,801.00
Due From BCCCP Billing	4,969.85	3,489.85	-	-	1,480.00
Due From Dental Varnish Billing	-	-	-	-	-
Due From Diabetes Prevention Program Billing	-	-	-	-	-
Due From Family Planning Billing	61,616.58	54,736.42	-	-	6,880.16
Due From Hearing Billing	544.00	544.00	-	-	-
Due From Hemoglobin Billing	176.13	176.13	-	-	-
Due From Immunizations Billing	250,423.58	241,858.13	-	-	8,565.45
Due From Lead Billing	141.76	141.76	-	-	-
Due From MIHP Billing	113,948.75	108,444.07	-	-	5,504.68
Due From School Wellness Billing	20,721.19	19,390.00	-	-	1,331.19
Due From STD Billing	656.69	656.69	-	-	-
Due From Vision Billing	321.60	311.60	-	-	10.00
Due From Wisewoman Billing	940.00	90.00	-	-	850.00
Due From School Mental Health Billing	26,154.95	25,123.41	-	-	1,031.54
Due From Billing Sum	554,879.49	526,637.79	-	-	28,241.70
Due From County	36,329.48	21,567.82	7,380.83	7,380.83	-
Due From Other	367,097.56	144,135.55	99,276.47	96,787.54	26,898.00
Due From State	1,916,842.84	1,419,005.55	54,071.66	152,098.63	291,667.00
Grand Total	2,875,149.37	2,111,346.71	160,728.96	256,267.00	346,806.70
Percentage Outstanding		73.43%	5.59%	8.91%	12.06%

District Health Department #10

Cash Flow Analysis

January 22, 2021

	January	February	March	April
Beginning Cash Balance	8,763,991	8,053,061	7,171,954	6,290,847
Receipts:				
State Funding	-	489,829	489,829	489,829
Billing Revenue	50,176	50,176	50,176	50,176
EH Fees	10,000	40,000	40,000	40,000
Appropriations	-	-	-	420,814
Other	<u>50,000</u>	<u>181,101</u>	<u>181,101</u>	<u>181,101</u>
Total	110,176	761,106	761,106	1,181,920
Expenses:				
Wages	384,293	768,586	768,586	768,586
Benefits	192,147	384,293	384,293	384,293
Other	<u>244,667</u>	<u>489,334</u>	<u>489,334</u>	<u>489,334</u>
Total	821,107	1,642,213	1,642,213	1,642,213
Total Cash & Investments	<u>8,053,061</u>	<u>7,171,954</u>	<u>6,290,847</u>	<u>5,830,554</u>

DISTRICT HEALTH DEPARTMENT #10
Board of Health Listing

Accounts Payable

	Amount	Date
20485 - 20575, 507916 - 507963	\$1,211,688.52	December - January
1260		
Total Accounts Payable	\$1,211,688.52	

Payroll

62286 - 62900	\$855,562.95	December - January
Total Payroll	\$855,562.95	

Total Expenditures \$2,067,251.47

District Health Department #10

Balance Sheet
November 30, 2020

Prepared by:
Christine Lopez, MBA
Administrative Services Director

ASSETS

Current Assets

Cash	8,719,048.62
Due from State	1,389,425.32
Due From Others	<u>1,089,268.38</u>
Total Current Assets	11,197,742.32

Other Assets

Inventory	273,153.00
Prepaid Expense	<u>259,922.42</u>
Total Other Assets	<u>533,075.42</u>
Total ASSETS	<u>11,730,817.74</u>

LIABILITIES

Current Liabilities

Accounts Payable	687,257.78
Payroll Taxes/Deductions Due	238,260.81
Accrued Wages	<u>472,556.63</u>
Total Current Liabilities	1,398,075.22

Other Liabilities

Deferred Revenue	<u>2,727,599.94</u>
Total LIABILITIES	4,125,675.16

FUND BALANCE

Fund Balance, Preliminary	7,366,273.80
Increase in Fund Balance	<u>238,868.78</u>
Total FUND BALANCE	<u>7,605,142.58</u>

LIABILITIES AND FUND BALANCE	<u>11,730,817.74</u>
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District Health Department #10
Statement of Revenues and Expenditures
From 11/01/2020 Through 11/30/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
Revenues					
State & Federal Funding					
Adolescent Health Center - Lake City Clinical	1,981.63	4,817.89	135,000	(96.43)%	(130,182.11)
Adolescent Health Center - Mason County	1,837.00	3,107.15	135,000	(97.70)%	(131,892.85)
Beach Monitoring	-	-	11,500	(100.00)%	(11,500.00)
Breast Cervical Cancer Control Program	2,046.99	8,639.91	74,800	(88.45)%	(66,160.09)
Brethren High School Mental Health Grant	3,719.12	14,047.43	100,000	(85.95)%	(85,952.57)
Childrens Special Health Care Services	18,743.34	39,967.86	267,878	(85.08)%	(227,910.14)
Chippewa Hills School Mental Health Grant	5,548.49	13,466.42	100,000	(86.53)%	(86,533.58)
CJS Alliance	1,801.11	4,488.68	23,466	(80.87)%	(18,977.32)
Communicable Disease	14,067.67	28,004.42	424,689	(93.41)%	(396,684.58)
Community Health	-	-	10,000	(100.00)%	(10,000.00)
CRF Immunizations COVID Response CRFIMM	41,037.62	82,721.27	0	0.00%	82,721.27
CRF LHD Contact Tracing CRFLCT	74,685.77	180,556.00	0	0.00%	180,556.00
CRF LHD Testing CRFLT	789.76	1,894.43	0	0.00%	1,894.43
Cross Jurisdictional Sharing Admin	-	144.72	44,530	(99.68)%	(44,385.28)
CSHCS Care Coordination Case Mgmt	4,247.83	5,780.99	115,000	(94.97)%	(109,219.01)
Dental Partnering for Heart Health	6,214.00	17,474.00	138,000	(87.34)%	(120,526.00)
Dental Sealants	1,393.81	3,377.72	30,000	(88.74)%	(26,622.28)
Drinking Water	46,066.52	102,603.21	448,757	(77.14)%	(346,153.79)
Drug Free Communities Support Program	-	-	125,000	(100.00)%	(125,000.00)
ELC COVID Contact Tracing Testing Coordination	255.30	255.30	850,556	(99.97)%	(850,300.70)
ELC COVID Infection Prevention - CELC	49,050.65	86,734.94	90,000	(3.63)%	(3,265.06)
Emergency Preparedness	13,546.19	28,191.19	161,808	(82.58)%	(133,616.81)
Family Planning	93,758.80	149,318.02	382,235	(60.94)%	(232,916.98)
Food Service	64,731.60	138,983.12	370,791	(62.52)%	(231,807.88)
General EH - Campgrounds	-	-	5,950	(100.00)%	(5,950.00)
General EH - DHHS Inspection	4,245.00	6,505.00	55,900	(88.36)%	(49,395.00)
General EH - Pools & Spas	-	-	5,400	(100.00)%	(5,400.00)
Grayling School Mental Health	3,706.21	3,706.21	0	0.00%	3,706.21
Grayling Water Recovery	4,517.44	4,962.70	0	0.00%	4,962.70
Harm Reduction	2,832.25	7,879.09	50,000	(84.24)%	(42,120.91)
Harm Reduction Support	1,615.33	1,615.33	60,000	(97.31)%	(58,384.67)
Hart High School Mental Health Grant	3,038.07	13,750.98	100,000	(86.25)%	(86,249.02)
Hearing	10,425.98	18,717.33	70,808	(73.57)%	(52,090.67)
HIV Prevention	201.03	596.59	45,000	(98.67)%	(44,403.41)
Imms VFC/INE	-	-	17,800	(100.00)%	(17,800.00)
Immunizations	53,265.41	53,265.41	257,484	(79.31)%	(204,218.59)
Immunizations IAP	9,280.33	18,646.57	108,280	(82.78)%	(89,633.43)
Immunizations Vaccine Quality Assurance	7,794.77	15,748.27	54,660	(71.19)%	(38,911.73)
Lead Home Visiting	(185.79)	-	1,000	(100.00)%	(1,000.00)
MCH Women	3,942.97	8,172.69	78,000	(89.52)%	(69,827.31)
MCIR	10,710.60	21,395.28	175,000	(87.77)%	(153,604.72)
Medicaid Outreach	52,634.18	104,593.33	537,583	(80.54)%	(432,989.67)
MI Home Visiting IRE (HFA)	37,526.94	81,522.66	501,799	(83.75)%	(420,276.34)
Non Community Water	15,041.00	30,082.00	180,492	(83.33)%	(150,410.00)
On-Site Sewage - Septic Systems	39,728.50	59,287.65	387,374	(84.69)%	(328,086.35)
Prosperity Grant/CLPP	2,445.42	5,470.07	40,000	(86.32)%	(34,529.93)
Rural Health Network - CHIR	4,787.00	14,242.00	90,000	(84.18)%	(75,758.00)
STI Clinics	5,645.40	12,210.05	45,000	(72.87)%	(32,789.95)

District Health Department #10
Statement of Revenues and Expenditures
From 11/01/2020 Through 11/30/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
Tobacco Grant	1,341.75	3,748.00	40,000	(90.63)%	(36,252.00)
Vision	10,708.03	20,734.55	70,808	(70.72)%	(50,073.45)
WIC Migrant	9,463.41	23,759.20	98,000	(75.76)%	(74,240.80)
WIC Peer Counselor	23,217.52	46,749.85	270,881	(82.74)%	(224,131.15)
WIC Resident	138,225.62	279,094.43	1,570,745	(82.23)%	(1,291,650.57)
Wisewoman Coordination	6,509.73	12,974.48	67,350	(80.74)%	(54,375.52)
Wisewoman Gardening	(407.99)	-	0	0.00%	-
Zika Virus Mosquito Surveillance	-	-	18,000	(100.00)%	(18,000.00)
Total State & Federal Funding	907,779.31	1,784,004.39	9,042,324	(80.27)%	(7,258,319.61)
Other Funding					
Administrative Leave	5,490.19	14,324.76	0	0.00%	14,324.76
Adolescent Health Center - Crawford	6,309.00	18,236.00	135,000	(86.49)%	(116,764.00)
Adolescent Health Center - Wexford	12,555.00	25,701.00	195,000	(86.82)%	(169,299.00)
Adolescent Health Center Oceana	13,783.00	30,027.00	195,000	(84.60)%	(164,973.00)
Agnes Taylor Fund	-	-	2,321	(100.00)%	(2,321.00)
Beach Monitoring - Other	3,000.00	3,000.00	0	0.00%	3,000.00
Building Lease Cadillac	8,600.00	17,200.00	103,200	(83.33)%	(86,000.00)
Building Lease Hart	5,300.00	10,600.00	63,600	(83.33)%	(53,000.00)
CATCH Grant	327.57	2,480.41	15,000	(83.46)%	(12,519.59)
CCL HUB	25,001.00	40,496.00	0	0.00%	40,496.00
CD Billing Counties	-	-	2,500	(100.00)%	(2,500.00)
CHA Needs Assessment	-	-	30,000	(100.00)%	(30,000.00)
CHIR - Communications	1,492.00	1,853.00	0	0.00%	1,853.00
CHIR BBO EVEN	1,092.00	1,880.00	0	0.00%	1,880.00
Communicable Disease	-	-	210	(100.00)%	(210.00)
Community Health	2,000.00	2,000.00	0	0.00%	2,000.00
CSHCS Thorton Fund Kalkaska	-	-	6,498	(100.00)%	(6,498.00)
Dental Outreach	752.33	752.33	30,000	(97.49)%	(29,247.67)
Early On Oceana	-	-	250	(100.00)%	(250.00)
Finance	-	-	129,870	(100.00)%	(129,870.00)
Gambling Disorder Prevention Project Grant	1,822.00	3,850.00	23,000	(83.26)%	(19,150.00)
Grayling School Mental Health	3,085.44	5,785.20	30,000	(80.72)%	(24,214.80)
Healthy Families America - Manistee/Missaukee	10,765.00	27,402.00	151,681	(81.93)%	(124,279.00)
Immunizations	150.00	150.00	305,500	(99.95)%	(305,350.00)
LiveWell for your Heart	1,612.91	3,204.37	100,000	(96.80)%	(96,795.63)
MCDC	29,435.67	44,645.67	800,000	(94.42)%	(755,354.33)
Medical Marihuana Operations and Oversight	-	-	12,032	(100.00)%	(12,032.14)
PFS Mason	3,988.00	3,988.00	0	0.00%	3,988.00
PFS Oceana	1,968.00	1,968.00	0	0.00%	1,968.00
Prevention	9,880.00	23,918.00	112,518	(78.74)%	(88,600.00)
Prevention Grant Missaukee	2,022.00	3,853.00	20,854	(81.52)%	(17,001.00)
Prevention Grant Wexford	3,750.00	8,271.00	43,472	(80.97)%	(35,201.00)
Rotary Charities	3,495.00	7,718.00	25,000	(69.13)%	(17,282.00)
Rx for Health	2,335.09	5,820.15	140,000	(95.84)%	(134,179.85)
School Wellness Center	10,848.00	27,169.00	150,000	(81.89)%	(122,831.00)
SH Coalition Support Missaukee	-	-	8,223	(100.00)%	(8,223.00)
SH Coalition Support Wexford	-	-	18,267	(100.00)%	(18,267.00)
Snap Ed Full-Year	2,815.03	7,503.65	92,710	(91.91)%	(85,206.35)
State Opioid Response (SOR) Lake	492.00	1,223.00	10,000	(87.77)%	(8,777.00)
State Opioid Response (SOR) Mason	1,608.00	3,143.00	20,000	(84.28)%	(16,857.00)
State Opioid Response (SOR) Oceana	1,473.00	3,322.00	15,000	(77.85)%	(11,678.00)

District Health Department #10
Statement of Revenues and Expenditures
From 11/01/2020 Through 11/30/2020

	Current Month	YTD Actual	Budget	Percent Budget Remaining	Total Budget Variance
WIC Resident	-	200.00	200	0.00%	-
Total Other Funding	177,247.23	351,684.54	2,986,906	(88.23)%	(2,635,221.60)
Billing Revenue					
Adolescent Health Center - Crawford	7,576.78	7,576.78	35,754	(78.81)%	(28,177.22)
Adolescent Health Center - Lake City Clinical	-	-	28,474	(100.00)%	(28,474.00)
Adolescent Health Center - Mason County	-	-	28,474	(100.00)%	(28,474.00)
Adolescent Health Center - Wexford	4,458.48	12,480.84	51,555	(75.79)%	(39,074.16)
Adolescent Health Center Oceana	17,020.63	21,446.11	57,463	(62.68)%	(36,016.89)
BCCCP Direct	(439.86)	(439.86)	21,658	(102.03)%	(22,097.86)
Breast Cervical Cancer Control Program	2,597.00	3,287.00	9,000	(63.48)%	(5,713.00)
Brethren High School Mental Health Grant	5,439.82	5,439.82	3,055	78.06%	2,384.82
CCL HUB	13,349.00	26,593.00	300,000	(91.14)%	(273,407.00)
Chippewa Hills School Mental Health Grant	4,038.90	6,386.32	5,238	21.92%	1,148.32
Communicable Disease	(2,224.68)	(2,224.68)	10,000	(122.25)%	(12,224.68)
Community Health	-	-	2,019	(100.00)%	(2,019.00)
Dental Sealants	-	-	6,000	(100.00)%	(6,000.00)
Dental Varnish	-	49.00	85,826	(99.94)%	(85,777.00)
Family Planning	6,816.26	25,945.88	91,110	(71.52)%	(65,164.12)
Hart High School Mental Health Grant	7,020.20	7,020.20	3,408	105.99%	3,612.20
Hearing	181.60	3,448.00	3,500	(1.49)%	(52.00)
Immunizations	61,804.33	200,751.69	617,531	(67.49)%	(416,779.31)
Lead Hemoglobin	128.40	573.13	23,328	(97.54)%	(22,754.87)
Maternal Infant Health Program	44,924.76	95,796.16	652,827	(85.33)%	(557,030.84)
MCH Women	-	318.30	0	0.00%	318.30
School Wellness Center	12,250.05	12,250.05	47,132	(74.01)%	(34,881.95)
STI Clinics	167.54	167.54	8,723	(98.08)%	(8,555.46)
Vision	(109.20)	3,313.60	3,500	(5.33)%	(186.40)
Wisewoman Coordination	(360.00)	(85.00)	22,250	(100.38)%	(22,335.00)
Total Billing Revenue	184,640.01	430,093.88	2,117,825	(79.69)%	(1,687,731.12)
Medicaid Cost Settlement					
Medicaid Cost Report	-	-	1,800,000	(100.00)%	(1,800,000.00)
Total Medicaid Cost Settlement	-	-	1,800,000	(100.00)%	(1,800,000.00)
Environmental Health Revenue	78,939.00	187,590.00	1,374,040	(86.35)%	(1,186,450.00)
Appropriations	247,873.36	495,746.72	2,974,480	(83.33)%	(2,478,733.28)
Other Revenue					
MMRMA Distribution	-	39,642.00	51,343	(22.79)%	(11,701.00)
Workers Compensation Dividends	23,564.00	23,564.00	13,347	76.55%	10,217.00
Other	15,326.99	32,011.72	153,500	(79.15)%	(121,488.28)
Total Other Revenue	38,890.99	95,217.72	218,190	(56.36)%	(122,972.28)
Total Revenues	<u>1,635,369.90</u>	<u>3,344,337.25</u>	<u>20,513,765</u>	<u>(83.70)%</u>	<u>(17,169,427.89)</u>

District Health Department #10
Statement of Revenues and Expenditures
From 11/01/2020 Through 11/30/2020

	<u>Current Month</u>	<u>YTD Actual</u>	<u>Budget</u>	<u>Percent Budget Remaining</u>	<u>Total Budget Variance</u>
Expenses					
Wages	791,656.07	1,624,638.48	10,012,116	83.77%	8,387,477.53
Fringes	382,610.08	757,888.06	5,109,646	85.17%	4,351,758.02
Travel	25,642.97	56,521.44	521,413	89.16%	464,891.56
Supplies	137,844.97	177,412.38	1,288,749	86.23%	1,111,336.62
Contractual	6,847.74	13,129.94	547,198	97.60%	534,068.06
Communications	24,863.67	49,170.23	391,976	87.46%	342,805.77
Printing/Publishing	1,539.14	13,201.13	58,277	77.35%	45,075.87
Education/Training	1,261.05	4,153.41	45,625	90.90%	41,471.59
Liability Insurance	8,428.17	16,856.30	90,491	81.37%	73,634.70
Maintenance	36,317.54	66,702.93	399,792	83.32%	333,089.07
Space	107,601.96	218,953.92	1,272,423	82.79%	1,053,469.08
Capital Outlay	30,754.82	34,394.58	173,953	80.23%	139,558.42
County DSH/Dental	43,335.67	72,445.67	966,800	92.51%	894,354.41
Total Expenses	<u>1,598,703.85</u>	<u>3,105,468.47</u>	<u>20,878,459</u>	<u>85.13%</u>	<u>17,772,990.70</u>
Increase (Decrease) Fund Balance	<u>36,666.05</u>	<u>238,868.78</u>	<u>(364,694)</u>	<u>(165.50)%</u>	<u>603,562.81</u>

REPORT TO THE BOARDS OF HEALTH

Jennifer Morse, MD, MPH, FAAFP, Medical Director

Mid-Michigan District Health Department, Wednesday, January 27, 2021
Central Michigan District Health Department, Wednesday, January 27, 2021
District Health Department 10, Friday, January 29, 2021



Variant Strains of SARS-CoV-2

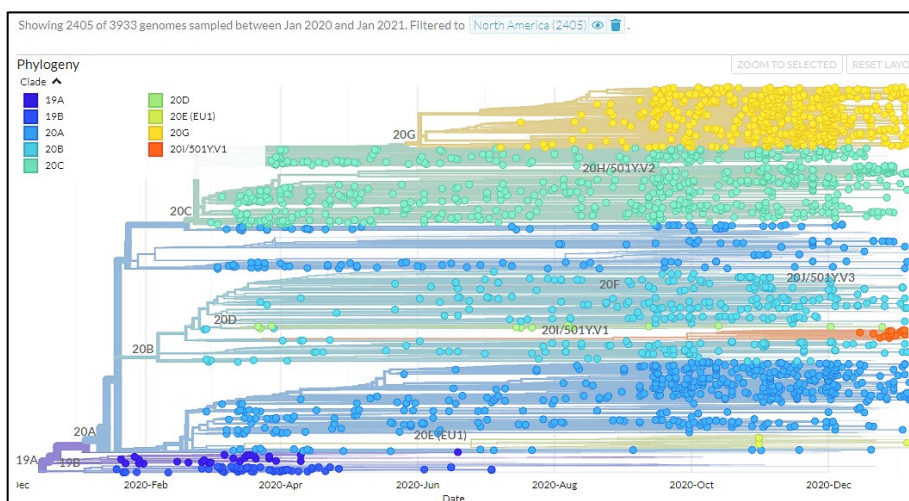
Mutations are changes in the genetic material, or genes, of cells and organisms. It is normal for all viruses to change through mutations, whether their genes are made of DNA or RNA. These changes are usually mistakes made as the virus reproduces or replicates itself in our cells. Some mutations will be very small and will make little, if any, difference in how the virus behaves. Some changes will have a bigger impact or there may be more changes at one time. They may affect how the virus spreads, how it causes sickness, whether our immune system can recognize it, or whether treatments still work. Some mutations can change a virus that infects animals so that it is able to infect humans.

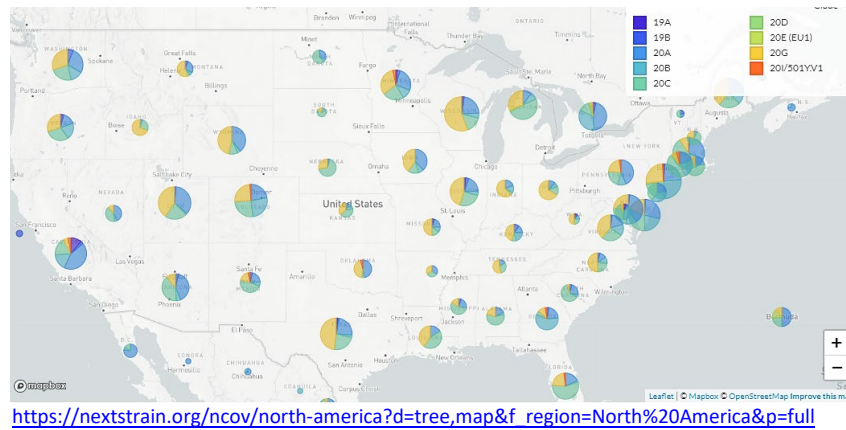
RNA viruses reproduce more quickly than DNA viruses, so they are more likely to make mistakes or have mutations. Influenza and coronaviruses are RNA viruses and are constantly changing. Influenza has eight RNA segments so there are a lot of possible mutations that can occur in and between these segments. Coronaviruses only have one RNA segment, so they mutate much more slowly. (Great explanation of all of this is available at “Viruses Mutate. What does that mean for us?” <https://lifeology.us.lifeomic.com/static/ologies/virology/viruses-mutate/index.html#/>)

SARS-CoV-2, the virus that causes COVID-19, gets about one new mutation every two weeks. If enough mutations occur at once or cause a large enough effect to the virus and continue to spread from person to person, it is called a variant.

Term	Description	Example
Strain	Virus with distinct properties that set it apart from other viruses	SARS-CoV-2
Variant	Still part of the same strain, but has collected enough mutations to be distinct	SARS-CoV-2 B.1.1.7
Mutation	Small changes in the genetic code of the virus	Mutation N501Y (mutation in the spike protein at position 501, where amino acid asparagine (N) has been replaced with tyrosine (Y)).

There have been several different variants of SARS-CoV-2 since December 2019 and new variants continue to be found. You can see the number of different variations in the United States below.





Concern over new variants is due in part to the following potential consequences:

- *Ability to spread more quickly in people:* the mutations can make the virus able to bind to cells better or change in other ways to spread faster.
- *Ability to cause more severe disease in people:* none of the new variants seem to cause more serious illness.
- *Ability to evade detection by specific diagnostic tests:* PCR tests detect the RNA of the virus so if the RNA changes, they may not work. However, most PCR tests are made to detect multiple different targets in the RNA of the virus, so even if several targets have mutated, the other PCR targets will still work.
- *Decreased susceptibility to therapeutic agents such as monoclonal antibodies:* a monoclonal antibody is one specific antibody against one target of the virus that has been reproduced in huge quantities and given as a treatment. If the target for that antibody on the virus changes, it will not work anymore.
- *Ability to avoid natural or vaccine-induced immunity:* Both vaccination and natural infection with COVID-19 produce an immune response to several targets on the virus. The virus would likely have to have several mutations to be able to avoid the immunity created by the vaccines or by natural infection.

In Denmark, a variant was found in late summer 2020 that was named Cluster 5. It was linked to farmed mink. And was later found in farmed mink in at least 5 other countries, including the United States. Only 12 human cases were proven to have been caused by this variant. In November, it was decided to cull all farmed mink, over 17 million animals, in Denmark.

Another variant was found in South Africa dating back to October 2020 and shares some similarities to B.1.1.7. This variant is known as 0H/501Y.V2 or B.1.351 and also contains mutations in the spike protein. It has been found in other countries. It does not seem to cause any more serious illness. There is some evidence that one of the mutations might affect how well certain polyclonal and monoclonal antibody treatments would work.

A variant known as P.1 or 20J/501Y.V3 has been identified in Brazil that also involves mutations in the spike protein. There is some evidence that this strain may be more easily transmitted, and it is possible that the mutations may allow it to escape immunity from prior infection or vaccination.

In late 2020, variant B.1.1.7 (also called N501Y) was identified in the United Kingdom. It has now been found in several other countries around the world including the United States. It was announced Saturday, January 16 that the Michigan Department of Health and

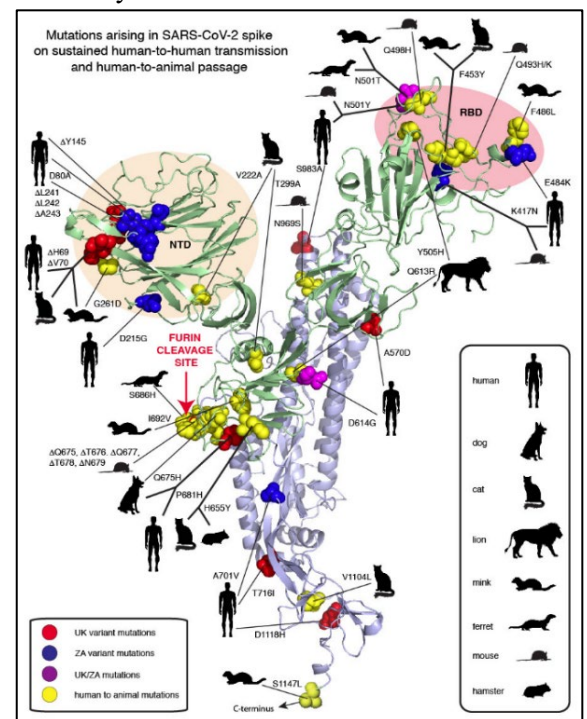
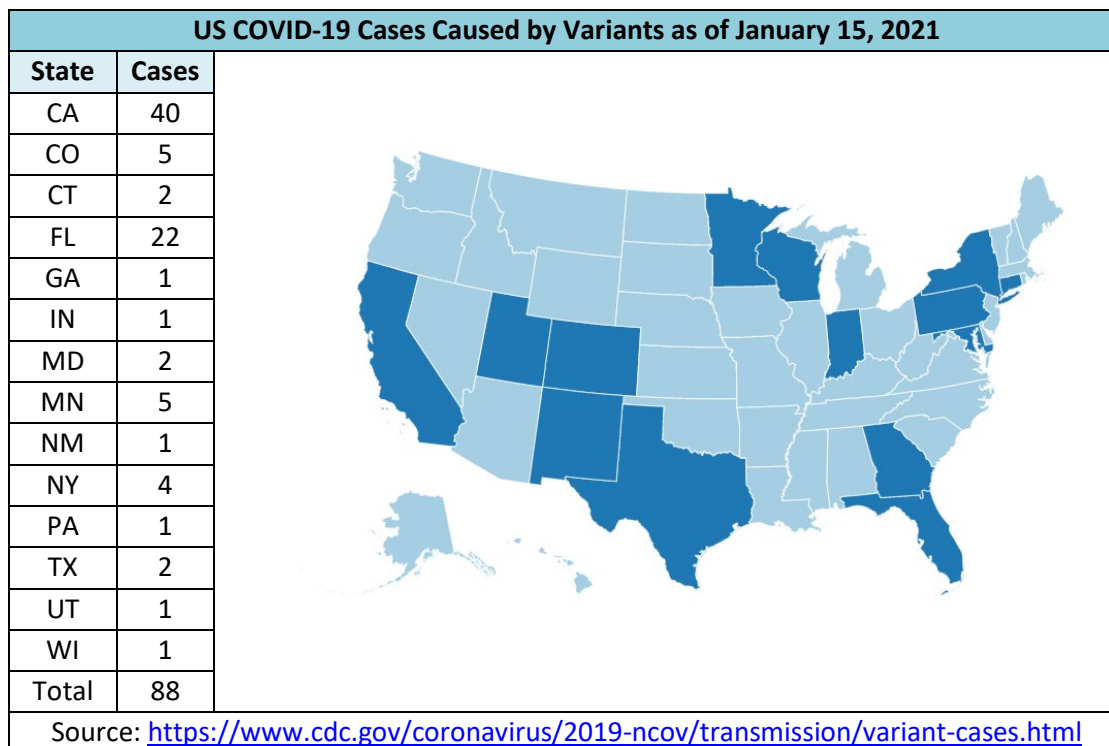


Figure 1. Compilation of SARS-CoV-2 spike mutations occurring in humans and animals. Red spheres: United Kingdom (UK) variant, Blue spheres: South African (ZA) variant, Magenta: both UK/ZA variants, Yellow spheres: animals as indicated in the inset. NTD: Amino-terminal domain. RBD: Receptor binding domain. Garry, R., 2021

Human Services (MDHHS) Bureau of Laboratories identified a case of SARS-CoV-2 B.1.1.7. in Washtenaw County in an adult that had recently traveled to the United Kingdom in early January. Two additional cases of COVID-19 have been identified among close contacts, but it is not known if the cases are infected with the variant. This variant has mutations in the spike protein and spreads more efficiently and quickly. It does not cause more serious illness or change the effectiveness of the current vaccines.



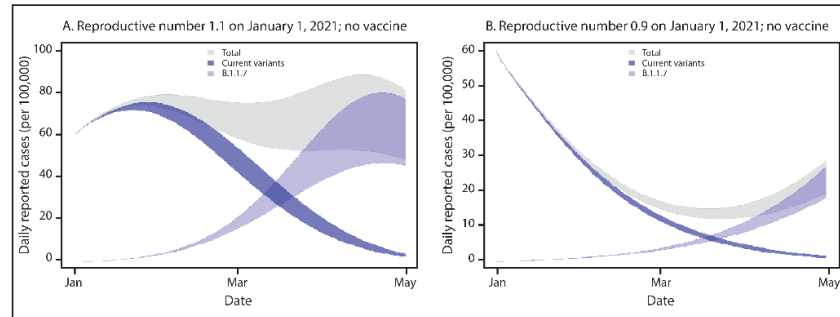
The B117 variant is spreading more efficiently. A higher number of close contacts to people infected with B117 seems to become infected. Modeling estimates that this new variant will increase rapidly in the United States and take over as the dominant variant in March. Depending on how well the spread of virus is being controlled when this switch occurs, the change in variant to B117 will lead to a new phase of increased viral spread (figure 1A: poorly controlled with rates increasing; figure 1B: improving control with slow decrease, below). Vaccination is expected to improve, though not prevent, this situation (figure 2A and B, below).

For a high-level course on how public health uses genetics of viruses and bacteria to track disease, see the COVID-19 Genomic Epidemiology Toolkit <https://www.cdc.gov/amd/training/covid-19-gen-epi-toolkit.html>

Sources

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- World Health Organization (WHO). (2020). SARS-CoV-2 Variants. <https://www.who.int/csr/don/31-december-2020-sars-cov2-variants/en/>
- Centers for Disease Control and Prevention (CDC). (2020). Emerging SARS-CoV-2 Variants. <https://www.cdc.gov/coronavirus/2019-ncov/more/science-and-research/scientific-brief-emerging-variants.html>
- Galloway SE, Paul P, MacCannell DR, et al. Emergence of SARS-CoV-2 B.1.1.7 Lineage — United States, December 29, 2020–January 12, 2021. MMWR Morbidity and Mortality Weekly Rep. ePub: 15 January 2021. DOI: <http://dx.doi.org/10.15585/mmwr.mm7003e2>
- Hadfield et al., Nextstrain. <https://nextstrain.org>

FIGURE 1. Simulated case incidence trajectories* of current SARS-CoV-2 variants and the B.1.1.7 variant,[†] assuming no community vaccination and either initial $R_t = 1.1$ (A) or initial $R_t = 0.9$ (B) for current variants — United States, January–April 2021

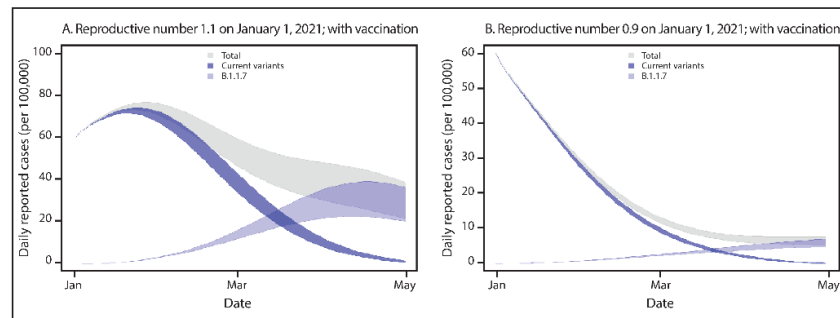


Abbreviation: R_t = time-varying reproductive number.

* For all simulations, it was assumed that the reporting rate was 25% and that persons who were seropositive or infected within the simulation became immune. The simulation was initialized with 60 reported cases of SARS-CoV-2 infection per 100,000 persons (approximately 200,000 cases per day in the U.S. population) on January 1, 2021. Bands represent simulations with 10%–30% population-level immunity as of January 1, 2021.

[†] Initial B.1.1.7 prevalence is assumed to be 0.5% among all infections and B.1.1.7 is assumed to be 50% more transmissible than current variants.

FIGURE 2. Simulated case incidence trajectories* of current SARS-CoV-2 variants and the B.1.1.7 variant,[†] assuming community vaccination[‡] and either initial $R_t = 1.1$ (A) or initial $R_t = 0.9$ (B) for current variants — United States, January–April 2021



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[†] Initial B.1.1.7 prevalence is assumed to be 0.5% among all infections and B.1.1.7 is assumed to be 50% more transmissible than current variants.

[‡] For vaccination, it was assumed that 300 doses were administered per 100,000 persons per day (approximately 1 million doses per day in the U.S. population) beginning January 1, 2021, that 2 doses achieved 95% immunity against infection, and that there was a 14-day delay between vaccination and protection.

Healthy Living Recommendations

1. Be aware of new travel requirements.
 - a. Effective January 26, 2021 all air passengers arriving to the US from a foreign country to get tested for COVID-19 infection no more than 3 days before their flight departs and to provide proof of the negative result or documentation of having recovered from COVID-19 to the airline before boarding the flight.
 - b. For more information on this testing requirement, see the [Frequently Asked Questions](#).
 - c. Get tested 3-5 days after travel AND stay home for 7 days after travel.
 - d. Even if you test negative, stay home for the full 7 days.
 - e. If you don't get tested, it's safest to stay home for 10 days after travel.
 - f. Always follow state and local recommendations or requirements related to travel.
 - g. Delay your travel if you are waiting for test results.
2. Continue to do all you can to prevent COVID-19 transmission.
 - a. Get vaccinated for COVID-19.
 - b. Wear a mask around others.
 - c. Stay 6 feet apart from others.
 - d. Wash hands often.
 - e. Ventilate indoor spaces.



**District Health
Department #10**
Healthy People, Healthy Communities

Tobacco Prevention & Control Quarterly Update

October, November, December 2020

District Health Department #10 (DHD#10) receives funding from the Michigan Department of Health and Human Services under the Michigan Tobacco Control Grant Program to implement activities in the 10 counties of our jurisdiction to prevent and reduce tobacco use.

ADDRESSING THE ISSUES:

- Adults of any age that smoke are at **increased risk of severe illness** from COVID-19.
- Both smoking and COVID-19 **disproportionately impact racial, ethnic, and sexual minority groups.**
- **Cigarette smoking compromises the immune system**, is linked to lung inflammation and puts people at greater risk for pulmonary infection.
- Most e-cigarettes contain nicotine, which has several known health effects, including **causing inflammation in lung tissue.**

Source: <https://www.lung.org/getmedia/7b8b5308-0219-44f1-a2f6-f770e3adbc91/covid-tobacco.pdf>

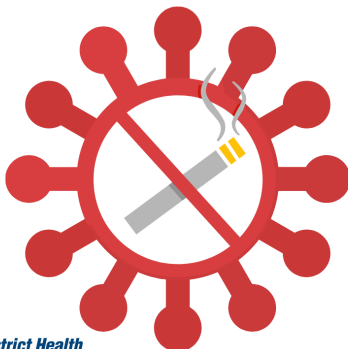
DHD#10 SUCCESSES:

- DHD#10, Spectrum Health, and Westshore Community College **provide local cessation services** to community members wanting to quit tobacco.
- DHD#10 provides a Tobacco Treatment Program with trained Tobacco Treatment Specialists and **supports healthcare providers** through referral systems, cessation services, and patient follow up.
- DHD# 10 is partnering with Family Health Care and My Community Dental Centers in Mecosta, Lake, Missaukee, and Wexford Counties to reduce risks for cardiovascular disease among residents ages 30-74. Staff screen for risk factors and **set up referral systems for tobacco cessation** to DHD#10's Tobacco Treatment Program and the Michigan Tobacco Quitline.
- DHD#10 is providing **technical assistance to the Crawford County Commission on Aging to adopt a tobacco free campus** for their new senior center. DHD#10 provides articles for their senior newsletter encouraging seniors to quit tobacco and promoting the DHD#10 Tobacco Treatment Program.

<https://www.livewell4health.org/tobacco-cessation>

Give your lungs a fighting chance.

Smoking cigarettes can hurt your body's ability to fight COVID-19.



***It Is Never Too Late
To Quit Smoking***
**Crawford County
Senior Gazette
December 2020**

Date: January 21, 2021

To: Board of Health Members

From: Kevin Hughes, Health Officer

Re: Vaccination Clinic Update

Below is an update on our current vaccination clinic operations. The numbers below represent our vaccination totals from last week.

County	1/11/21	1/12/21	1/13/21	1/14/21	1/15/21	1/16/21	Weekly Total
Crawford	235	NA	NA	146	58	NA	439
Kalkaska	NA	197	134	NA	135	NA	466
Lake	NA	58	58	NA	142	NA	258
Manistee	249	249	143	249	255	148	1,293
Mason	255	NA	257	220	255	359	1,346
Mecosta	245	254	226	NA	241	102	1,068
Missaukee	NA	201	NA	75	60	NA	336
Newaygo	255	243	NA	269	250	NA	1,017
Oceana	251	276	NA	183	104	NA	814
Wexford	243	262	NA	254	269	90	1,118



HEALTH OFFICER
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Cadillac, MI 49601



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www.dhd10.org



DHD10

Total for the week of 1/11/21-1/16/21: **8,155**

Running total since our first COVID vaccine clinic on 12/22/20: **10,235**

Comparison

Total Vaccines Given in FY 2020, 1st three quarters, October-June: **9,392**